Claims

1. Protective screen for screening off a suction space (3) and a suction duct (5) connected to it, in particular a suction space and a suction duct in an emergency cooling system of a nuclear power plant, said protective screen (1) including at least one screen wall element (2) having a suction side (12) and an outflow side (13), characterized in that the screen wall element (2) is built up of one or more modular rectangular cassette units (11, 11.1 - 11.4) and in that the cassette units (11, 11.1 - 11.4) each contain a plurality of screen pockets (17, 17.1, 17.2) which are open towards the suction side (12) and the screen pockets (17, 17.1, 17.2) are surrounded by outflow gaps (21, 21.1, 21.2, 22) said outflow gaps (21, 21.1, 21.2, 22, 22.1) being connected to the outflow side (13) or open towards the outflow side (13).

2. Protective screen in accordance with claim 1, wherein the cassette units (11, 11.1 - 11.4) can be placed in a row in order to assemble the screen wall element (2) in the desired size.

3. Protective screen in accordance with one of the claims 1 or 2, wherein the screen pockets (17, 17.1, 17.2) are each surrounded on four sides by outflow gaps (21, 21.1, 21.2, 22, 22.1).

4. Protective screen in accordance with one of the claims 1 to 3, wherein the cassette units (11, 11.1 - 11.4) contain spaced apart walls (14.1, 14.2, 14.1', 14.1", 14.2', 14.2") and/or intermediate walls (15.1, 15.2, 15.1', 15.1", 15.2', 15.2") and bent perforated wall segments (16, 16.1, 16.2), in particular substantially U-shaped, bent, perforated

wall segments, between the walls and/or the intermediate walls in order to form the suction pockets (17, 17.1, 17.2).

5. Protective screen in accordance with one of the claims 1 to 4, wherein the suction pockets (17, 17.1, 17.2) have a depth of greater than 0.1 m, in particular greater than 0.2 m.

6. Protective screen in accordance with one of the claims 1 to 5, wherein the walls (14.1, 14.2, 14.1', 14.1", 14.2', 14.2") and/or the intermediate walls (15.1, 15.2, 15.1', 15.1", 15.2', 15.2") of the cassette units (11, 11.1 - 11.4) are formed as double walls and/or outflow gaps (21, 21.1, 21.2, 22).

7. Protective screen in accordance with one of the claims 1 to 6, wherein the walls (14.1, 14.2, 14.1', 14.1", 14.2', 14.2") and/or the intermediate walls (15.1, 15.2, 15.1', 15.1", 15.2', 15.2") of the cassette units (11, 11.1 - 11.4) are clamped against one another by means of connection elements (18.1, 18.2).

8. Protective screen in accordance with one of the claims 1 to 7, wherein the spacing between two walls (14.1, 14.2, 14.1', 14.1", 14.2', 14.2") and/or intermediate walls (15.1, 15.2, 15.1', 15.1", 15.2', 15.2") and/or the spacing between the two sides (14.1', 14.1", 14.2", 15.1', 15.1", 15.2', 15.2") of a double wall is determined by spacer elements (24, 24.1, 24.2).

9. Protective screen in accordance with one of the claims 1 to 8, wherein the walls (14.1, 14.2, 14.1', 14.1", 14.2', 14.2") and/or intermediate walls (15.1, 15.2, 15.1', 15.1", 15.2', 15.2") and/or the perforated and

bent wall segments (16, 16.1, 16.2) are manufactured from perforated sheet metal.